ENERGY CONSERVATION APPLICATION FORM FOR LOW-RISE RESIDENTIAL NEW CONSTRUCTION and ADDITIONS

780 CMR Appendix J

Applicant Name: Applicant Address:			Site Address: City/Town: Use Group: Date of Application:					
Applicant Phone:				Applicant Signature:				
Compliance Path (check	one):							
☐ Prescriptive Packag	e (Limited to	1- or – 2-far	nily wo	od fr	ame buildi	ngs heated with fo	ossil fuels only)	
Package (A through KK	from Table J	5.2.1b):	_ Heati	ing De	egree Days	(HDD ₆₅) from Tab	ole J5.2.1 a:	
(For items d. through i.,	fill in all valu	es that apply	from Ta	able j	5.2.1b)			
a. Gross Wall A	rea		sq. ft.	f.	Wall R-va	alue R-	<u>.</u>	
b. Glazing Area	1			g.	Floor R-v		<u>.</u>	
c. Glazing % (10					Basement		<u>.</u>	
d. Glazing U-val		<u>U-</u> .			Slab Perin		<u>.</u>	
e. Ceiling R-valu		R			Heating A			
☐ Component Perform							wildings only)	
-				IIIIII				
Climate Zone (from Fig	gure J6.2.2)	$\sqcup Z_0$	one 12			e 13	Zone 14	
Attach Trade-Off Works	heet from Ap	pendix J, [and	<i>HVAC</i>	Trad	le-Off Work	sheet, if applicable	·]	
☐ MAScheck Softwar	re							
Attach Compliance Repo	ort and Inspec	ction Checklis	t printo	uts				
☐ Home Energy Rat	ing System E	evaluation						
Attach Home Energy Ra			ing scor	e mu	et he 83 or l	higher)		
☐ Systems Analysis	ol		_		ole Energy			
· ·				ic wax	ne Energy	Sources		
Attach Mass. Registered	Architect or	Engineer And	ilysis					
		ALTERNAT	IVE FO	OR A	DDITION	S ONLY:		
a. Gross Wall + Ceiling	Area	sg. ft. b	. Glazin	ıg Are	ea 1	sq. ft. c. Glazing	$\frac{1}{2}$ % (100 x b ÷ a)	
☐ ADDITION WITH								
MAXIMUM U-value	Giazing 70 (NIMU!		R-Values	ole 31.1.2.3.1 belov	v .	
Fenestration ²	Ceiling ³	Wall		oor		Basement Wall	Slab Perimeter, Depth	
$\frac{0.39^2}{1.001}$	R-37	R-13		-19 ·		R-10	R-10, 4 ft.	
 Glazing Area may be Based on NFRC listing R-30 ceiling insulation (i.e. – not compressed 	ng. Applies ei n may be used	ther to every d in place of I	unit, or R-37 if 1	to are	ea-weighted sulation acl	nieves the full R-va	ts. Ilue over the entire ceiling are	
Official's Name:					Official's Signature:			
Application Approv		Denied						
Reason(s) for Denial: (s neede					

J1.1.2.3.1 Additions to existing buildings:

Additions to existing buildings or structures shall comply with one of the applicable criteria below:

- 1. The new addition, by itself, shall conform to the applicable provisions of Appendix J, or;
- 2. The new addition plus the existing building/dwelling unit may be considered together to ensure compliance with all applicable provisions of Appendix J, **or**;
- 3. Additions that are open to or separated by an exterior wall from the existing house/dwelling unit shall meet the prescriptive envelope component criteria of Table J1.1.2.3.1. The total area (rough opening or unit dimensions) of glazed fenestration products (windows, skylight, and glazed portion of doors) shall not exceed 40% of the gross wall and gross ceiling area of the addition combined. If any individual fenestration component exceeds the maximum U-value listed in Table J1.1.2.3.1, then the area-weighted average U-value for all fenestration components must be less than or equal to the listed value. The R-value requirements for opaque thermal envelope components indicate insulation products (cavity and/or insulating sheathing), and shall be equal to or exceed the applicable listed values found in Table J1.1.2.3.1. If such additions are separated from the main house by a wall and are conditioned, then a readily accessible manual or automatic means shall be provided to partially restrict or shut off the heating and/or cooling input to the addition space. That portion of a wall that separates the addition from the existing building/dwelling unit, if an existing exterior wall, shall be allowed to remain and neither that portion of said wall or any fenestration within said portion of wall common to the addition need comply with the thermal envelope requirements of Appendix J.